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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/017,103
Filing Date December 14, 2001 CEIVE
First Named Inventor Molnar, Karl James CEIVE
Group Art Unit

Examiner Name FFB 2 0 200 (use as many sheets as necessary) Sheet P14953-US1 Attorney Docket Number Technology Center 2600 U.S. PATENT DOCUMENTS **U.S. Patent Documents** Pages, columns, lines, Date of Publication Examiner Cite Name of Patentee or Applicant Where Relevant Initials' No.1 Kind Code2 of Cited Documents of Cited Document Number Passages or Relevant (if known) MM-DD-YYYY Figures Appear 4 AA 5.887.035 MOLNAR 03-23-99 FOREIGN PATENT DOCUMENTS Foreign Patent Documents Pages, Columns, Lines, Examiner Cite Name of Patentee or Date of Publication Where Relevant Office³ Number4 Kind Code⁵ Initials' No.1 Applicant of Cited Documents of Cited Document т6 Passages or Relevant (if known) MM-DD-YYYY Figures Appear WO 0000/13383 ERICSSON, INC 03-09-00 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner Cite Initials* No.1 item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s). т2 publisher, city and/or country where published. H. Arslan et al., "Cochannel Interference Suppression with Successive Cancellation in Narrow- AC Band Systems", IEEE Communications Letters, 5(2):37-39, Feb. 2001 S. Alamouti, "A Simple Transmit Diversity Technique for Wireless Communications", IEEE Journal ADon Sel. Areas of Comm.. 16(8):1451-1458, Oct. 1998 E. Lindskog et al., "A Transmit Diversity Scheme for Delay Spread Channels", submitted to AΕ ICC'2000, pp 1-5 E. Lindskog et al., "Time-Reversal Space-Time Block Coding and Transmit Delay Diversity-Separate and Combined". Submitted to 34th Annual Conference on Signals, Systems and Computers"., Oct. 29 - Nov. 1 2000 S. Wales, "Technique for Cochannel Interference Suppression in TDMA Mobile Radio Systems. AG IEEE Proc. Comm. 142(2), Apr. 1995 P. Ranta et al., "Co-Channel Interference Canceling Receiver for TDMA Mobile Systems". IEEE ICC. pp 17-21, Feb. 1995 U. Wachsmann et al., "Exploiting the Data-Rate Potential of MIMO Channels: Multi-Stratum Space-Time Coding", IEEE Veh. Tech. Conf., May 2001 AJ ! S. Talwar et al., "Blind Separation of Synchronous Co-Channel Digital Signals Using an Antenna Array-Part I: Algorithms", IEEE Trans. Signal Processing, 44(5): 1184-1197, May 1996 AK . S. Talwar et al., "Blind Separation of Synchronous Co-Channel Digital Signals Using an Antenna Array-Part II: Performance Analysis", IEEE Trans. Signal Processing, 45(3): 706-718, March 1997 A. Naguib, et al., "Increasing Data Rate Over Wireless Channels". IEEE Signal Processing Magazine, 17(3):76-92, May 2000 A. Dabak et al., "Equalization and Multi-user Detection for Space Time Block Coding Based Transmit Diversity AM (STTD) in Frequency Selective Channels", In Proc. 52'nd IEEE Veh. Tech. Conf., Sept. 24-28, 2000 AN ; M. Varanasi et al.. "Multistage Detection in Asynchronous Code-Division Multiple-Access Communications", IEEE Trans. Comm, 38:508-519, Apr. 1990 R. Mowbray et al.. "Increased CDMA System Capacity Through Adaptive Cochannel Interference Regeneration and Cancellation", Proc. Inst. Elec. Eng., pt I, 139 515-524, Oct. 1992 R. Konno et al.. "Combination of an Adaptive Array Antenna and a Canceller of Interference for Direct-

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3	AT	K. Giridhar et al., "Nonlinear Techniques for the Joint Estimation of Cochannel Signals"", IEEE Trans. Comm., 45(4):473-483, Apr. 1997	
Examiner		Date Date	
Signature		Considered 4/4/04	ı

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				Application Number	10/017,103	
J	NFORMATION D	ISCLOSUF	RE	Filing Date	December 14, 2001	
	STATEMENT BY	APPLICAN	IT	First Named Inventor	Molnar, Karl James	
				Group Art Unit	2661	
	(use as many sheets	as necessary)		Examiner Name	Douglas W. Olms	
Sheet	1	of	2	Attorney Docket Number	P14953-309	

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Examiner Initials'	Cite No.1	U.S. Patent Documents Number Kind Code ² (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear			
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Upp.	AB	2002/0110108	Kim et al.	08/15/02				
780	AC	5,887,035	Molnar	03/23/99				
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00	AD	ΕP	0993129	Texas Instruments	04/12/00		
935	AF	FP	1133071	Texas Instruments	09/12/01		
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	(use as many sheets	as necessary))	Examiner Name		
Sheet	2	of	2	Attorney Docket Number	P14953-309	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т2
Po	AG	Steiner et al., "Optimum and Suboptimum Channel Estimation for the Uplink of CDMA Mobile Radio Systems With Joint Detection", <i>European Transactions on Telecommunications, AEI, Milano, IT,</i> Vol. 5, no. 1, (1994) pp 39-50	
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